



# **TP-BC48-600**

## **DATA SHEET**

### **600W 48V Battery Charger**

#### **Features**

- 48V 600W Total Power
- Over-Voltage, Over-Current, Reverse-Current, Over-Load, Short-Circuit Protections
- Led indicator: Red=Charging, Green=Battery Full/Float Charge
- CE Certification



#### **Applications**

- Wireless Base Stations, Cellular Base Stations
- Surveillance Systems
- Battery Backup Systems

#### **Description**

The **TP-BC48-600** battery chargers provide up to 600W of total charging power. The battery charger is compatible with GEL/AGM type sealed lead acid batteries.

The charger has various protections for reverse current, short-circuit, over-load, over-voltage, and over-current.

There is an LED which indicates charging (Red) or battery full (Green). The unit comes with a removeable AC cord with a North American Plug. The units are can work from 90VAC to 240VAC (selectable via switch).



## Specifications

TP-BC48-600	
<b>Total Power Available (for Load and Battery charging)</b>	600W
<b>Nominal Battery Voltage</b>	48VDC
<b>Battery Charge Max Current</b>	10A
<b>Battery Charger Voltage</b>	58.8V
<b>Battery Float Voltage</b>	55.2V
<b>Efficiency</b>	>88%
<b>DC Output Cable</b>	2 Wire 14AWG ; 1.2m (48") long cable Brown = V+, Blue = V-
<b>AC Input Connector</b>	IEC C14
<b>AC Power Cord</b>	IEC C13 to Nema 5-15P, 1.2m (48")
<b>AC Power Input</b>	120VAC / 240VAC , 50/60Hz
<b>Hi-Pot Test</b>	1500VAC / 10mA / 1min
<b>Insulation Resistance</b>	>10MOhm, 500VDC
<b>Operating Temperature</b>	-10 to +40C (14 to +104°F)
<b>Operating Humidity (RH)</b>	5% to 90% (non condensing)
<b>Storage Temperature</b>	-40 to +70°C (-40 to +158°F)
<b>Storage Humidity</b>	5% to 95% (non-condensing)
<b>Standards Compliance</b>	CE, EN60335-1:2002 and EN60335-2-29:2002
<b>MTBF (Mean Time Between Failure)</b>	>50,000 hrs
<b>Dimensions (LxWxH)</b>	216 x 120 x 76mm (8.5 x 4.75 x 3")
<b>Weight</b>	1.95kg (4.3lb)
<b>Warranty</b>	2 Years



### System Ordering:

**TP-BC48-600** 600W Battery Charger, 58.8V 10A, with US Power Cord\*

\*Add an "E" suffix for Euro power cord

### For further information contact:

Tyconsystems.com

